



December 15, 2025

Project No. US0039040.4227

Mr. Jerry Wick

Texas Commission on Environmental Quality
MC-127
VCP-CA Section, Team 1, Remediation Division
P.O. Box 13087
Austin, Texas 78711-3087

Re: **MONTHLY STATUS UPDATE – ENGLEWOOD INTERMODAL YARD – REVISED INTERIM MEASURES WORK PLAN POST-CONSTRUCTION AND NAPL COLLECTION SYSTEM/CONCRETE CAP REPAIR INSPECTIONS
UNION PACIFIC RAILROAD HOUSTON WOOD PRESERVING WORKS FACILITY
4910 LIBERTY ROAD FACILITY, HOUSTON, TEXAS
POST-CLOSURE CARE PERMIT NO. HW-50343; INDUSTRIAL SWR NO. 31547**

Dear Mr. Wick:

WSP USA Inc. (WSP), on behalf of Union Pacific Railroad Company (UPRR), is pleased to provide this monthly status update for November 2025 summarizing the weekly inspections being conducted at the Englewood Intermodal Yard (EIY) concrete cap area within the UPRR Houston Wood Preserving Works Facility (the Site). The weekly inspections are being conducted to evaluate the post-construction Focused Excavations as detailed in the *Revised Interim Measures Work Plan – Englewood Intermodal Yard (EIY)*, (Revised IMWP) dated October 20, 2023. In addition, a summary of the weekly Non-Aqueous Phase Liquid (NAPL) Collection System and concrete cap area inspections conducted at the EIY is provided as requested by the Texas Commission on Environmental Quality (TCEQ) in a letter dated March 20, 2018. Below is a summary of the weekly Focused Excavation and EIY inspections for November 2025.

Focused Excavation Inspections

UPRR initiated the interim measure remediation activities detailed in the Revised IMWP on April 29, 2024, and completed construction activities on November 15, 2024. The Response Action Completion Report (RACR) summarizing the Focused Excavation response actions was submitted to the TCEQ on July 17, 2025.

Following completion of the Focused Excavations, WSP, on behalf of UPRR, conducted weekly inspections of the 13 completed Focused Excavation (FE) re-constructed cap areas on November 5, 12, 19, and 26, 2025. Figure 1 shows the locations of the FE areas. Photographs from the weekly inspections of the FE areas are provided in Attachment A under Photo Numbers 1 through 48. Observations from the weekly inspections included the following:

- WSP noted that the reconstructed FE concrete and asphalt cap areas were in good condition during the weekly inspections. WSP personnel did not observe any tar-like material or NAPL seeps at the FE locations.
- No brown water staining was observed near the FEs.

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Non-Aqueous Phase Liquid (NAPL) Collection System and EIY Concrete/Asphalt Cap Inspections

The following is a summary of the observations from the weekly inspections in November 2025 of the NAPL Collection System area and EIY concrete/asphalt cap outside the NAPL collection system. Photographs from the weekly inspections of the NAPL Collection System are provided in Attachment A under Photo Numbers 49 through 61.

NAPL Collection System Area

The NAPL Collection System was installed in the EIY in January 2019 to address the tar-like NAPL seeps within parking stalls B100 to B109 (for container trailers). The NAPL Collection System includes three sumps, Sump 1 (B099/B100 stalls), Sump 2 (B103/B104 stalls), and Sump 3 (B107/B108 stalls), that have continued to be inspected weekly for NAPL accumulation. Field personnel use a shovel to scrape the bottom of the sumps and inspect for the presence of NAPL during the weekly inspections. If present, the accumulated NAPL is recovered with the shovel. A notation on the presence of NAPL in each sump, tabulation of depth and thickness of NAPL, if detected, and a tabulation of total mass of NAPL recovered from each sump is provided on the enclosed Table 1. NAPL recovered from the sumps is placed in a drum for disposal. The drum is staged at the Container Storage Area (CSA).

Storm water tends to collect in the NAPL Collection System. WSP field personnel measure weekly freeboard levels in NAPL Collection System Sump 1, Sump 2, and Sump 3 below the top of the manholes, as summarized for the November weekly inspections in the following table:

Date	Sump 1 (DTW, inches)	Sump 2 (DTW, inches)	Sump 3 (DTW, inches)	Photo Nos. (Attachment A)
November 5	5	29	28.5	49, 51, and 52
November 12	8	29.5	29	53, 54, and 55
November 19	7	30.5	30	56, 57, and 58
November 26	2	32	31.5	59, 60, and 61

DTW – depth to water below the top of the manhole.

Observations from the weekly inspections included the following:

- No NAPL was recovered from Sumps 1, 2, and 3 during the November 2025 weekly inspections. During the November inspections, the small amount of NAPL accumulated on the underside of the inflow protector for Sump 1 was similar in appearance to the amount observed in October (Attachment A, Photo Number 50).
- Water in Sump 1 was observed to be clear with a brown tint and with a sheen. Water in Sump 2 and Sump 3 was observed to be clear. No odors or other sheens were reported during the November inspections.
- Approximately 2 cubic inches (approximately 1.1 fluid ounces) of tar-like NAPL were recovered from the concrete joint along the perimeter of the NAPL Collection System at Stall B107 on November 5 (Attachment A, Photo Numbers 62 through 66). The material recovered was placed in a drum staged at the CSA pending disposal. No other NAPL seeps were observed along the concrete joints near the NAPL Collection System during the November inspections.

Areas Outside the NAPL Collection System/EIY Concrete/Asphalt Cap Inspections

For areas outside the NAPL Collection System within the EIY, WSP made the following observations during the weekly inspections:

- Tar-like material seeps at the following two locations:
 - A tar-like material seep was observed at Track 802 on November 5. Approximately 5 cubic inches (approximately 2.8 fluid ounces) of NAPL were recovered. No seep activity was noted at Track 802 during the other November weekly inspections (Photo Numbers 67 through 71).
 - A tar-like material seep was observed at Stall B102 on November 5. Approximately 2 cubic inches (approximately 1.1 fluid ounces) of NAPL were recovered. No seep activity was noted at Stall B102 during the other November weekly inspections (Photo Numbers 71 through 76).
- Overall, the volume of NAPL recovered from the surface seeps remained stable from October to November 2025 (approximately 5 fluid ounces in October compared to 5 fluid ounces in November). In comparison, prior to implementing the Focused Excavations, approximately 34 fluid ounces (approximately 0.1 gallons) of NAPL were collected from the surface seeps during November 2023.
- The previously observed seeps at stalls B100/B101/B105 (FE-1&3), B102 (joint) (FE-2), B056/B057 (FE-4), A021/A022 (FE-5), A010/A011 (FE-6), B096 (FE-7), B042 (FE-8), B016 (FE-9), and RD-14 (FE-13) have been addressed through the Focused Excavation activities.
- During the November 2025 inspections, no NAPL seeps were observed at the remaining test pit locations that were not excavated as part of the Focused Excavations (Stalls A098 (TP-02), B013 (TP (B013)), B057 (TP-04), and B108 (TP (B108) and TP-01).
- No brown water staining was observed within the EIY in November.
- Tar-like NAPL material that was observed on May 7 at a concrete joint near stall H020 has not recurred since that observation. WSP is currently evaluating possible sources of the material at this location.

A figure showing the active and historical seep locations is provided on Figure 1.

A table tallying the active seeps observed in November 2025 is provided in Table 2.

If you have any questions or need additional information, please feel free to call us at (512) 501-5547 or Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

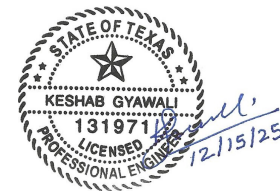
WSP USA Inc.



Manny Higa
Senior Consultant, Geologist



Keshab Gyawali, PE
Lead Consultant, Civil Engineer



CC: Kevin Peterburs, UPRR – Milwaukee, WI
Waste Section Manager, TCEQ Region 12, Houston

Attachment Table 1 – NAPL Measurements – NAPL Collection System
Table 2 – NAPL Seep Detection Tracker for Weekly Cap Inspections
Figure 1 – Englewood Intermodal Capped Areas Seeps
Attachment A – Weekly Inspection Photolog

Tables

TABLE 1
NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard
UPRR Houston, tx - Wood Preserving Works

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
8/14/2019	2.5	28	29	Not measurable	
8/21/2019	0	27.5	26.5	Not measurable	
8/28/2019	44.5	47.9	45	Not measurable	Water from sumps pumped out
9/4/2019	19	42	41.5	Not measurable	
9/13/2019	0	39.5	38	Not measurable	
9/20/2019	0	3	2.5	Not measurable	
9/25/2019	0	42	42.5	Not measurable	Water from sumps pumped out
10/2/2019	2.5	42.5	42	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered
10/9/2019	3	42	41.5	Not measurable	Sheen visible in B107/B108 sump, less than 0.1 gal of DNAPL recovered
10/16/2019	0	39.5	39	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
10/24/2019	3	35	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
10/29/2019	0	24	23	Not measurable	Water from sumps pumped out
10/30/2019	0	40	39	Not measurable	Slight sheen visible in B107/B108 sump
11/6/2019	9	39	38.5	Not measurable	
11/13/2019	7	30	29	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
11/19/2019	4	26	25.5	Not measurable	
11/27/2019	0	25	23	Not measurable	
12/3/2019	2	25.5	25	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
12/11/2019	1.5	17	16.54	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
12/17/2019	5	19.5	17.5	Not measurable	
12/23/2019	10	21	20.5	Not measurable	
1/7/2020	9	13	12.5	Not measurable	
1/8/2020	9	13	12.5	Not measurable	Water from sumps pumped out
1/17/2020	0	32	31.5	Not measurable	
1/21/2020	2.5	26.5	26	Not measurable	
1/28/2020	0	0	0	Not measurable	
2/4/2020	2	11	10.5	Not measurable	
2/12/2020	0	0	0	Not measurable	
2/18/2020	1.5	11.5	10.25	Not measurable	Water from sumps pumped out on 2/20/2020
2/27/2020	2	42	36	Not measurable	
3/6/2020	1	36	36	Not measurable	
3/11/2020	2	36	35.5	Not measurable	
3/18/2020	0	35.5	35	Not measurable	
3/27/2020	0	29	28	Not measurable	
4/3/2020	1.5	29	28.5	Not measurable	
4/8/2020	0	23	22	Not measurable	
4/15/2020	0.5	23	22	Not measurable	
4/21/2020	0	21	21	Not measurable	
4/28/2020	0	23	22	Not measurable	
5/4/2020	-	-	-	Not Measured	Measurements were not taken; the inspector was unable to open the sumps
5/12/2020	0	20	19	Not measurable	
5/19/2020	0	15.75	14.25	Not measurable	Sump 1 pumped down (May 22nd)
5/27/2020	0	14	13	Not measurable	
6/1/2020	0	7	5	Not measurable	
6/10/2020	0	10	9	Not measurable	
6/17/2020	1	12	11	Not measurable	
6/25/2020	0	0	0	Not measurable	
6/30/2020	0	0	0	Not measured	
7/1/2020	48	46	47	Not measurable	Sumps 1, 2, & 3 pumped down
7/8/2020	34	24.5	24	Not measurable	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
7/15/2020	32	29.5	29	Not measurable	Sheen visible in B99/B100 sump & B107/B108 sump, less than 0.1 gal of DNAPL recovered B107/B108 sump
7/23/2020	0	23	22.5	Not measured	Less than 0.1 gal of DNAPL recovered from B107/B108 Sump
7/31/2020	0	11	10	Not measurable	
8/5/2020	0	7	5	Not measurable	
8/13/2020	1	11	10	Not measurable	
8/19/2020	0	7	6	Not measurable	
8/26/2020	0	10	9	Not measurable	
9/2/2020	43	37	38	Not measurable	Sumps 1, 2, & 3 pumped down (September 1); Sheen visible in B99/B100 sump & B107/B108 sump
9/9/2020	28	37	36	Not measurable	Sheen visible in B107/B108 sump
9/15/2020	1	35	33	Not measurable	
9/23/2020	0	0	0	Not measurable	
9/30/2020	1	10	9	Not measurable	
10/8/2020	4	12	11.5	Not measurable	
10/15/2020	0	11	10.5	Not measurable	Less than 0.1 gal of DNAPL recovered B107/B108 sump
10/21/2020	1	10.5	9.25	Not measurable	
10/28/2020	0	11	10	Not measurable	
11/4/2020	9	13	12	Not measurable	
11/11/2020	0.5	12	11	Not measurable	
11/18/2020	3.5	13	12	Not measurable	
11/24/2020	7	14	13.5	Not measurable	
11/30/2020	2	7	6	Not measurable	
12/10/2020	5	10.5	10	Not measurable	

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Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
12/18/2020	4	10	9	Not measurable	
12/23/2020	1	9	7.5	Not measurable	
12/31/2020	0	4	3.5	Not measurable	
1/6/2021	4	10.5	9	Not measurable	
1/15/2021	43	39	37.5	Not measurable	Sumps 1, 2, & 3 pumped down
1/22/2021	0	34	33	Not measurable	Sheen visible in B107/B108 sump
1/29/2021	2	31	30	Not measurable	Sheen visible in B107/B108 sump
2/4/2021	4	30	29.5	Not measurable	Sheen visible in B099/B100 sump
2/10/2021	0	27	25.5	Not measurable	
2/17/2021	0	0	0	Not measurable	
2/24/2021	2	10	9.5	Not measurable	
3/2/2021	0	0	0	Not measurable	
3/10/2021	0	10	9.75	Not measurable	
3/17/2021	0	2	1	Not measurable	
3/24/2021	0	3.5	2	Not measurable	
3/31/2021	0	6.5	7	Not measurable	
4/8/2021	0	7.5	7	Not measurable	
4/14/2021	0	6.5	6	Not measurable	Less than 0.1 gal of DNAPL recovered B107/B108 sump; Sheen visible in B103/104 and B107/B108 sumps
4/21/2021	0.5	9	8.5	Not measurable	
4/28/2021	0	8.5	8	Not measurable	
5/5/2021	0	7.5	7	Not measurable	
5/12/2021	0	8	7.5	Not measurable	
5/19/2021	0	0	0	Not measurable	
5/26/2021	0	2	0.5	Not measurable	
5/27/2021	41	32	26	Not measurable	Sumps 1,2, & 3 pumped down
6/2/2021	0	40	38	Not measurable	Sheen visible in B107/108 sump
6/9/2021	0	30	28.5	Not measurable	
6/16/2021	0	24	25	Not measurable	
6/23/2021	0	12	13	Not measurable	
6/30/2021	0	3	1	Not measurable	
7/7/2021	0	0	0	Not measurable	
7/14/2021	0	0	0	Not measurable	Sumps 1,2, & 3 pumped down (July 15)
7/21/2021	0	39	37	Not measurable	
7/29/2021	0	37	35.5	Not measurable	
8/4/2021	0	36	34	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
8/11/2021	0	33	32	Not Measured	Depth to DNAPL measurements were not taken; the interface probe was not functioning properly
8/18/2021	0	25	23	Not measurable	
8/25/2021	0	20	22	Not measurable	
9/1/2021	0	20	17	Not measurable	
9/8/2021	3	14	11	Not measurable	
9/15/2021	0	3	4	Not measurable	Sumps 1,2, & 3 pumped down (September 17)
9/22/2021	31.5	46	46	Not measurable	Sheen visible in B107/B108 sump
9/29/2021	0	29	30.75	Not measurable	Sheen visible in B103/104 and B107/B108 sumps
10/7/2021	6	18	17.5	Not measurable	
10/13/2021	3.6	10.56	9.72	Not measurable	Sheen visible in B103/104 and B107/B108 sumps; brown discoloration and slight odor noted B099/B100 sump
10/20/2021	0	13.94	12.6	Not measurable	Sumps 1,2, & 3 pumped down (October 21)
10/27/2021	0	22	21	Not measurable	Sheen visible in B099/B100 sump
11/3/2021	10	20	21	Not measurable	
11/10/2021	12	16	15	Not measurable	
11/17/2021	8	16	15	Not measurable	
11/24/2021	7	14	13	Not measurable	
12/1/2021	7	15	14	Not measurable	
12/8/2021	6	12.5	12	Not measurable	
12/15/2021	7	15	15	Not measurable	
12/22/2021	-	-	-	Not Measured	Partial site inspection conducted 12/22/21; Sump measurements were not taken
12/29/2021	0	11.5	11	Not measurable	
1/5/2022	8.75	13.5	12.25	Not measurable	
1/12/2022	6	12	12	Not measurable	
1/19/2022	13.5	17	16	Not measurable	Sheen visible in B099/B100 sump
1/27/2022	3	9	9	Not measurable	
2/2/2022	-	-	-	Not Measured	Measurements were not taken; the inspector was unable to open the sumps
2/9/2022	9	15	15	Not measurable	
2/16/2022	8.5	17	16	Not measurable	
2/23/2022	5.5	14	13.5	Not measurable	
3/2/2022	5.5	15	14	Not measurable	
3/9/2022	4.5	7	6	Not measurable	
3/16/2022	48	36	45	Not measurable	Sumps 1,2, & 3 pumped down during inspection; less than 0.5 gal of DNAPL recovered B107/B108 sump
3/23/2022	6	29	28	Not measurable	
3/30/2022	5.5	28	28	Not measurable	
4/6/2022	3.5	19	18	Not measurable	

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UPRR Houston, tx - Wood Preserving Works

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
4/13/2022	4.5	18	15	Not measurable	Sheen visible in B099/B100 sump
4/20/2022	5	18	18	Not measurable	Sheen visible in B099/B100 sump
4/27/2022	4.5	12	8.5	Not measurable	
5/4/2022	48	42	45	Not measurable	Sumps 1, 2, & 3 pumped down during inspection; Sheen visible in B099/B100 sump
5/11/2022	16	44.5	44	Not measurable	Sheen visible in B099/B100, B103/104, and B107/B108 sumps
5/18/2022	6.5	45	45	Not measurable	
5/25/2022	0	25	24	Not measurable	
6/1/2022	5.5	24	24	Not measurable	
6/8/2022	5	22	22	Not measurable	Sheen visible in B099/B100 and B103/104 sumps
6/15/2022	5	25	24	Not measurable	
6/22/2022	4.5	24	21	Not measurable	
6/29/2022	6	21	21	Not measurable	
7/6/2022	5.5	13	13	Not measurable	
7/13/2022	5	15	14	Not measurable	Sheen visible in B099/B100 sump
7/20/2022	51.5	38	43.5	Not measurable	Sumps 1, 2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered B099/B100 sump
7/27/2022	4	42	40	Not measurable	
8/3/2022	5	39	39	Not measurable	
8/10/2022	5.5	38	38	Not measurable	Sheen visible in B107/B108 sump
8/17/2022	5.5	25.5	25	Not measurable	
8/24/2022	0	0.5	0	Not measurable	Inspector unable to open B099/B100 and B107/B108 sumps as there was standing water on top of the sumps due to ongoing rain event
8/31/2022	52	52	48	Not measurable	Sumps 1, 2, & 3 pumped down during inspection; sheen visible in B103/B104 sump
9/7/2022	3	37	37	Not measurable	
9/14/2022	1	34	31	Not measurable	Sheen visible in B099/B100 sump
9/21/2022	2.2	31.5	27.5	Not measurable	Sheen visible in B107/B108 sump
9/28/2022	3	30	31	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/5/2022	8	33	33	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/12/2022	7	32	32	Not measurable	Sheen visible in B099/B100 and B107/B108 sumps
10/19/2022	48	48	48	Not measurable	Sumps 1, 2, & 3 pumped down during inspection; less than 0.1 gal of DNAPL recovered from B107/108 sump; small amount of DNAPL visible but not recoverable in B099/B100 sump; sheen visible in B099/B100 and B103/B104 sumps on recharge water after pumpdown
10/26/2022	6	46	45	Not measurable	Sheen visible in B107/B108 sump
11/2/2022	4	19	19	Not measurable	
11/9/2022	6	14	13	Not measurable	
11/16/2022	8	14	12	Not measurable	
11/22/2022	0	0	0	Not measurable	
11/30/2022	3	10	9	Not measurable	Very slight sheen visible in Sumps 1, 2, and 3; less than 0.2 gal of DNAPL recovered from B107/108 sump
12/7/2022	4	13.5	13	Not measurable	
12/14/2022	0	0	0	Not measurable	Replaced dipper tool with hoe for NAPL recovery from sumps. Less than 0.4 gal of DNAPL recovered from B099/B100 sump; approximately 0.1 gal of DNAPL recovered from B107/B108 sump
12/21/2022	4	8	7	Not measurable	
12/28/2022	16	14	14	Not measurable	
1/4/2023	3.5	7.5	6	Not measurable	
1/11/2023	12	12	3	Not measurable	
1/18/2023	3	13	13	Not measurable	
1/25/2023	3	6	5	Not measurable	
2/1/2023	<1	1	<1	Not measurable	
2/8/2023	5	13	12	Not measurable	
2/15/2023	<1	2	2.5	Not measurable	Sumps B099/B100, B103/B104, and B107/B108 pumped down during inspection
2/22/2023	32	42	43	Not measurable	Sheen visible in B099/B100, B103/B104, and B107/B108 sumps; water in B099/B100 noted as brown color with high turbidity
3/1/2023	9	41	40	Not measurable	Sheen visible in B099/B100, B103/B104, and B107/B108 sumps, water color in sumps noted as brown
3/8/2023	5	42	41	Not measurable	B099/B100 & B103/B104 light brown color
3/15/2023	4	42	41	Not measurable	B099/B100 and B013/B104 brown color; B107/B108 very light brown color
3/22/2023	8	26.5	25.5	Not measurable	B099/B100 light brown color
3/29/2023	3	24	25	Not measurable	B099/B100 light brown color
4/5/2023	2.5	25	25	Not measurable	B099/B100 light brown color
4/12/2023	4	12	14	Not measurable	All three sumps pumped down during inspection, B099/B100 brown color
4/19/2023	5	42	42	Not measurable	Sheen visible in B107/B108 sump
4/26/2023	4	31.5	31.5	Not measurable	Sheen visible in B107/B108 sump
5/3/2023	3	18	17.5	Not measurable	
5/10/2023	0	1.5	0	Not measurable	Sheen visible in B107/B108 sump
5/17/2023	0	2	0	Not measurable	Sheen visible in B107/B108 sump
5/24/2023	2	14	13	Not measurable	Pumpdown and boom swap.
5/31/2023	28	50	49	Not measurable	B099/B100 water color brown. B103/B104 and B107/B108 water color light brown.
6/7/2023	3	38	37	Not measurable	Sheen visible in all Sumps. B099/B0100 water color brown and, light brown on both B103/B104 and B107/B108.
6/14/2023	4	38	37	Not measurable	Sheen Visible in B099/B100 & B107/B108. water color brown on B099/B100 & light brown in all other sumps.

TABLE 1
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UPRR Houston, tx - Wood Preserving Works

Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
6/21/2023	3	36	37	Not measurable	Sheen Visible in B107/B108. water color brown on B099/B100 & light brown in all other sumps.
6/28/2023	3	31	31	Not measurable	Sheen Visible in B099/B100 & B107/B108. water color dark brown on B099/B100 & B107/B108, light brown in B103/B104.
7/12/2023	3	20	19	Not measurable	Sheen Visible in B099/B100 and B107/B108. Water color brown on B099/B100, light brown in B103/B104.
7/19/2023	3	19	19	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
7/26/2023	3	21	20	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100, light brown on B103/B104, and clear on B107/B108.
8/2/2023	0	16.5	15.5	Not measurable	Sheen Visible on B107/B108. Water color dark brown on B099/B100, light brown on B103/B104, and clear on B107/B108. Pumpdown conducted 8/4/2023.
8/9/2023	42	47	47	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100, light brown on B103/B104, and clear on B107/B108.
8/16/2023	38.5	47	47	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and light brown on B103/B104 and B107/B108.
8/23/2023	33	46	46	Not measurable	Sheen visible in all Sumps. B099/B100 water color dark brown and, light brown on both B103/B104 and B107/B108.
8/30/2023	33	46	44	Not measurable	Sheen visible in all Sumps. B099/B100 water color dark brown and, light brown on both B103/B104 and B107/B108.
9/6/2023	1	38	38	Not measurable	Sheen visible in all Sumps. B099/B100 water color light brown, and clear on both B103/B104 and B107/B108.
9/13/2023	0	33	33	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and clear on B103/B104 and B107/B108. Pumpdown conducted 9/15/2023.
9/20/2023	14	41	40	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color brown on B099/B100 and light brown on B103/B104 and B107/B108.
9/27/2023	0.5	33	34	Not measurable	Sheen Visible on B099/B100 and B107/B108. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
10/4/2023	0	0	0	Not measurable	No sheen visible in all sumps. Water color brown on B099/B100 and light brown on B103/B104 and B107/B108. Heavy rains all week filled up sumps.
10/11/2023	0	0	0	Not measurable	Sheen visible on B103/B104. B099/B100 water color light brown, clear on B103/B104 and B107/B108. Heavy rains in the week filled up sumps. Pumpdown conducted 10/13/2023.
10/18/2023	46	48	47	Not measurable	Sheen visible on B099/B100 and B107/B108. Water color brown on B099/B100. Water color clear on B103/B104. Water color light brown on B107/B108.
10/25/2023	39	44	43	Not measurable	Sheen visible on B099/B100 and B107/B108. Water color dark brown on B099/B100 and light brown on B103/B104 and B107/B108.
11/1/2023	6.5	33	33	Not measurable	Sheen visible on B099/B100 and B107/B108. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/8/2023	12	34	33	Not measurable	Sheen visible on B099/B100. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/15/2023	2	6	5.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/22/2023	7	13	12	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
11/29/2023	5.5	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/6/2023	8	14	14	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/13/2023	5	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/20/2023	5	10	9	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
12/27/2023	6	13	11	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
1/3/2024	0	0	0	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on 103/B104 and B107/B108.
1/10/2024	5	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
1/17/2024	12	15.5	15	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
1/24/2024	0	0	0	Not measurable	No sheen observed in any of the sumps. Water color clear in all sumps.
1/31/2024	2	9.5	9	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/7/2024	2	18	16	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/14/2024	6	18	18	Not measurable	No sheen observed in any of the sumps. Water color clear on B099/B100, B103/B104 and B107/B108.
2/21/2024	6	14	13	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
2/28/2024	4	14	15	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
3/6/2024	4	15	15	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.

TABLE 1
NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard
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Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
3/13/2024	0	11	11	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
3/20/2024	0	7.5	7.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
3/27/2024	0	7	6	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108. Some DNAPL (1.5 inches) was recovered from the bottom of Sump 1.
4/3/2024	0	10	10	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108. Some DNAPL (3 cubic inches) was recovered from the bottom of Sump 1.
4/10/2024	0	0	0	Not measurable	No sheen observed in any of the sumps. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
4/17/2024	0	10	9.5	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
4/24/2024	2.5	12	11	Not measurable	Sheen visible on B099/B100. Water color brown on B099/B100 and clear on B103/B104 and B107/B108. Pumpdown conducted 4/26/2024.
5/1/2024	9	20	21	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
5/8/2024	1	23	22	Not measurable	Sheen visible on B099/B100. Water color brown on B099/B100 and light brown on B103/B104 and clear on B107/B108.
5/15/2024	0	20	21	Not measurable	No sheen observed in any of the sumps. Water color light brown on B099/B100 and clear on B103/B104 and B107/B108.
5/22/2024	-	-	-	Not Measured	Freeboard not measured on 5/22/2024 due to the ongoing excavations as part of the Interim Measures Work Plan Construction Activities.
5/29/2024	0	19.5	19	Not measurable	No sheen observed in any of the sumps. Water color brown on B099/B100 and clear on B103/B104 and B107/B108.
6/5/2024	Not measurable	Not measurable	13	Not measurable	Sumps B099/B100 and B103/B104 could not be opened due to ongoing excavation. No sheen observed in any of the sumps. Water color was clear to cloudy by B107/B108.
6/12/2024	0	13	13	Not measurable	No sheen observed in any of the sumps. Water color was brown to cloudy by B099/B100, clear to cloudy by B103/B104, and clear by B107/B108.
6/19/2024	0	13	13	Not measurable	Sheen observed at B099/B100 and B107/B108. Water color was dark brown by B099/B100 and clear by B103/B104 and B107/B108.
6/26/2024	2.5	10.5	10	Not measurable	Sheen observed at B099/B100. Water color was brown to cloudy by B099/B100 and clear by B103/B104 and B107/B108.
7/3/2024	23	43	42	Not measurable	Dark brown water color and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104. Brown water color and sheen observed at B107/B108.
7/10/2024	13	35	34	Not measurable	Light brown water color and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104 and B107/B108.
7/17/2024	9	39	38	Not measurable	Light brown water color observed at all three sump systems. Sheen observed at B099/B100, 3 cubic in NAPL recovered from sump. No sheen observed at B103/B104 and B107/B108.
7/24/2024	0	36	36	Not measurable	Light brown water color observed at all three sump systems. Sheen observed at B103/B104. No sheen observed at B099/B100 and B107/B108.
7/31/2024	45	45	45	Not measurable	Brown water color and sheen observed at B099/B100. Light brown water color and no sheen observed at B103/B104 and B107/B108.
8/7/2024	23	32	32	Not measurable	Brown water color and no sheen observed at B099/B100. Brown/cloudy water color and no sheen observed at B103/B104 and B107/B108.
8/14/2024	24	42.5	41.5	Not measurable	Brown water color and sheen observed at B099/B100. Gray water color and no sheen observed at B103/B104. Light brown and no sheen observed at B107/B108.
8/21/2024	22.5	42.5	41.5	Not measurable	Brown water color and no sheen observed at B099/B100, B103/B104 and at B107/B108.
8/28/2024	20	42	41.5	Not measurable	Tan water color and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104. Light brown and no sheen observed at B107/B108.
9/4/2024	8	41	40	Not measurable	Tan water color and sheen observed at B099/B100. Tan water color and no sheen observed at B103/B104 and at B107/B108.
9/4/2024	8	41	40	Not measurable	Tan water color and sheen observed at B099/B100. Tan water color and no sheen observed at B103/B104 and B107/B108.
9/12/2024	5.5	39	38.5	Not measurable	Clear water and sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104 and Tan water color and no sheen observed at B107/B108.
9/18/2024	7	38.5	38	Not measurable	Clear water with sheen observed at B099/B100. Brown water color and no sheen observed at B103/B104. Light brown and no sheen observed at B107/B108.
9/26/2024	9.5	40	39	Not measurable	Clear water color and sheen observed at B099/B100. Grey and turbid water with no sheen observed at B103/B104 and brownish water with no sheen observed at B107/B108.
10/2/2024	11.5	36.5	36	Not measurable	Clear water color and no sheen observed at B099/B100. Tan water color with no sheen observed at B103/B104. Brown water with no sheen observed at B107/B108.
10/9/2024	10	37	36	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
10/16/2024	12	38	36	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
10/24/2024	14	41	40	Not measurable	Light brown water color and sheen observed at B099/B100. Light brown water color with no sheen observed at B103/B104. Brown water with no sheen observed at B107/B108.
10/30/2024	4	37.5	37	Not measurable	Turbid tan water color with no sheen observed at B099/B100. Turbid tan water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.

TABLE 1
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Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
11/6/2024	2.5	32	31	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
11/13/2024	5	32.5	32	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
11/20/2024	3.5	34	34	Not measurable	Sump pumpdown on Nov 15. Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
11/27/2024	8	34.5	34	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/4/2024	10	35	33.5	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color and sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/11/2024	4	26	26	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/18/2024	5	23	22	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/23/2024	4.5	23.5	22.5	Not measurable	Clear water color with no sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
12/27/2025	2	12	11.5	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
1/3/2025	4.5	12	12	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
1/8/2025	6	10.5	11	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
1/15/2025	0	0	0	Not measurable	Clear water color with no sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108. Due to extended rain events all sumps were full of water.
1/22/2025	1.5	4	3.5	Not measurable	Clear water color with no sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water with no sheen observed at B107/B108.
1/29/2025	0	0	0	Not measurable	Clear water color and sheen observed at B099/B100. Clear water color with no sheen observed at B103/B104. Clear water color and sheen observed at B107/B108. Due to extended rain events all sumps were full of water.
2/5/2025	9	8.5	1	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B103/B104 and clear in B099/B100 and B107/B108.
2/12/2025	0	0	0	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color clear in B099/B100, brown in B103/B104, and tan in B107/B108. Due to extended rain events all sumps were full of water.
2/19/2025	1	3	2.5	Not measurable	Clear water color with no sheen observed at B099/B100, B103/B104, and B107/B108.
2/26/2025	1.5	5	4.5	Not measurable	Clear water color with no sheen observed at B099/B100, B103/B104, and B107/B108.
3/5/2025	1.75	4.75	3.5	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B099/B100 and B103/B104 and clear in B107/B108.
3/12/2025	2.25	11	10	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B099/B100 and B103/B104 and clear in B107/B108.
3/19/2025	1.5	9	10	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B103/B104 and clear in B099/B100 and B107/B108.
3/26/2025	2	7	6.5	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B103/B104 and clear in B099/B100 and B107/B108.
4/2/2025	0	7.5	7	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color tan in B103/B104 and clear in B099/B100 and B107/B108.
4/9/2025	27	36	35	Not measurable	Sump pumpdown on Apr 4. No sheen observed at B099/B100, B103/B104, and B107/B108. Water color dark brown in B099/B100, tan in B103/B104, and brown in B107/B108.
4/16/2025	22.5	35.5	35.5	Not measurable	No sheen observed at B099/B100, B103/B104, and B107/B108. Water color dark brown in B099/B100 and B103/B104, and brown in B107/B108.
4/23/2025	-	31	30.5	Not measurable	Water ponded over Sump 1. No sheen observed at B103/B104 and B107/B108. Water color brown in B103/B104 and B107/B108.
4/30/2025	1	28.5	29	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and B103/B104 and tan in B107/B108.
5/7/2025	0	20.9	18	Not measurable	No sheen observed. Water color tan in B099/B100, B103/B104, and B107/B108.
5/14/2025	0	16.5	17	Not measurable	Sheen only observed at B099/B100. Water color tan in B099/B100, B103/B104 and B107/B108.
5/21/2025	0	17.5	17	Not measurable	No sheen observed. Water color brown in B099/B100 and tan in B103/B104 and B107/B108.
5/28/2025	-	-	-	Not measured	Not measured due to lightning standdowns.
6/4/2025	0	9.5	9	Not measurable	No sheen observed. Water color dark brown in B099/B100 and tan in B103/B104 and B107/B108.
6/11/2025	0	0	0	Not measurable	No sheen observed. Water color brown in B099/B100 and tan in B103/B104 and B107/B108. Due to extended rain events all sumps were full of water.
6/18/2025	1.5	6.5	6	Not measurable	No sheen observed. Water color dark brown in B099/B100 and tan in B103/B104 and B107/B108.
6/25/2025	0	6.5	6	Not measurable	No sheen observed. Water color brown dark brown in B099/B100 and brown in B103/B104 and B107/B108.
7/2/2025	0	7.5	7	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.
7/9/2025	0	3.5	3	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.

TABLE 1
NAPL Measurements - NAPL Collection System - Englewood Intermodal Yard
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Measured Date	Sump 1 (B099/B100) Freeboard (in)	Sump 2 (B103/B104) Freeboard (in)	Sump 3 (B107/B108) Freeboard (in)	Depth to DNAPL (in)	Comments
7/16/2025	0	8.5	8	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
7/23/2025	1	10.5	10	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
7/30/2025	0	9.5	9	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.
8/6/2025	0	0.1	0.5	Not measurable	Heavy sheen and soft bottom of sump only observed at B099/B100. No indication of DNAPL from the Interphase probe. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
8/13/2025	1.5	8.5	8	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
8/20/2025	1.5	5.5	5	Not measurable	Sheen and tar on plastic lid only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
8/27/2025	24	43	42.5	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108. Pumpdown conducted 08/21/2025. Less than 0.5 gallons of tar recovered from Sump 1 during pumpdown.
9/3/2025	0	36	35.5	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear in B103/B104 and B107/B108.
9/10/2025	0	35	34.5	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, clear with a brown tint in B103/B104, and clear in B107/B108.
9/17/2025	2.5	35	34.5	Not measurable	Sheen only observed at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.
9/24/2025	0	34.5	34	Not measurable	Sheen only observed at B099/B100. Water color clear with a brown tint in B099/B100 and clear in B103/B104 and B107/B108.
10/1/2025	2	33	32.5	Not measurable	Inflow protector only replaced at B099/B100. Water color brown in B099/B100 and clear with a brown tint in B103/B104 and B107/B108.
10/8/2025	3.5	33.5	33	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, clear with a brown tint in B103/B104, and clear in B107/B108.
10/15/2025	5	33.5	33	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color brown in B099/B100, and clear in B103/B104 and B107/B108.
10/22/2025	7	34	33	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100 and in B103/B104, and clear in B107/B108.
10/29/2025	0	29	29	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color light brown in B099/B100 and in B103/B104, and clear in B107/B108.
11/5/2025	5	29	28.5	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.
11/12/2025	8	29.5	29	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.
11/19/2025	7	30.5	30	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.
11/26/2025	2	32	31.5	Not measurable	Sheen and tar on inflow protector only observed at B099/B100. Water color clear with a brown tint in B099/B100, and clear in B103/B104 and B107/B108.

Note:
Freeboard in sumps is measured as depth to water from top rim of sump, measured in inches

TABLE 2
NAPL Seep Detection Tracker for Weekly Cap Inspections
UPRR Houston, TX - Wood Preserving Works

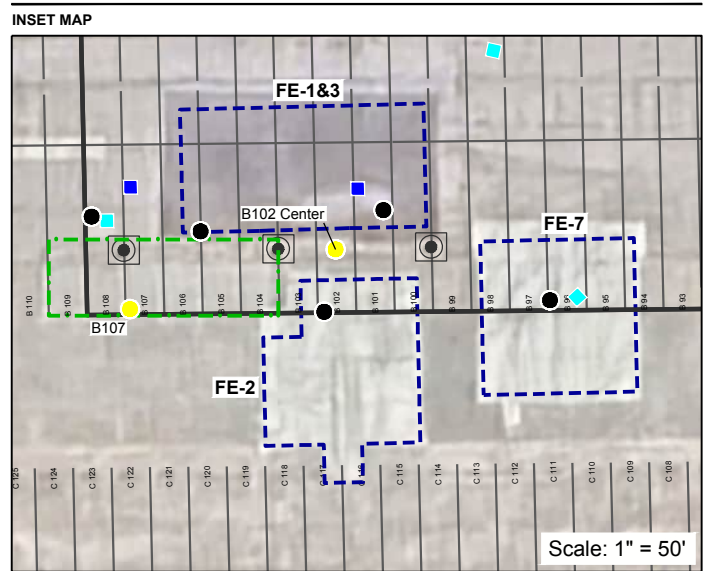
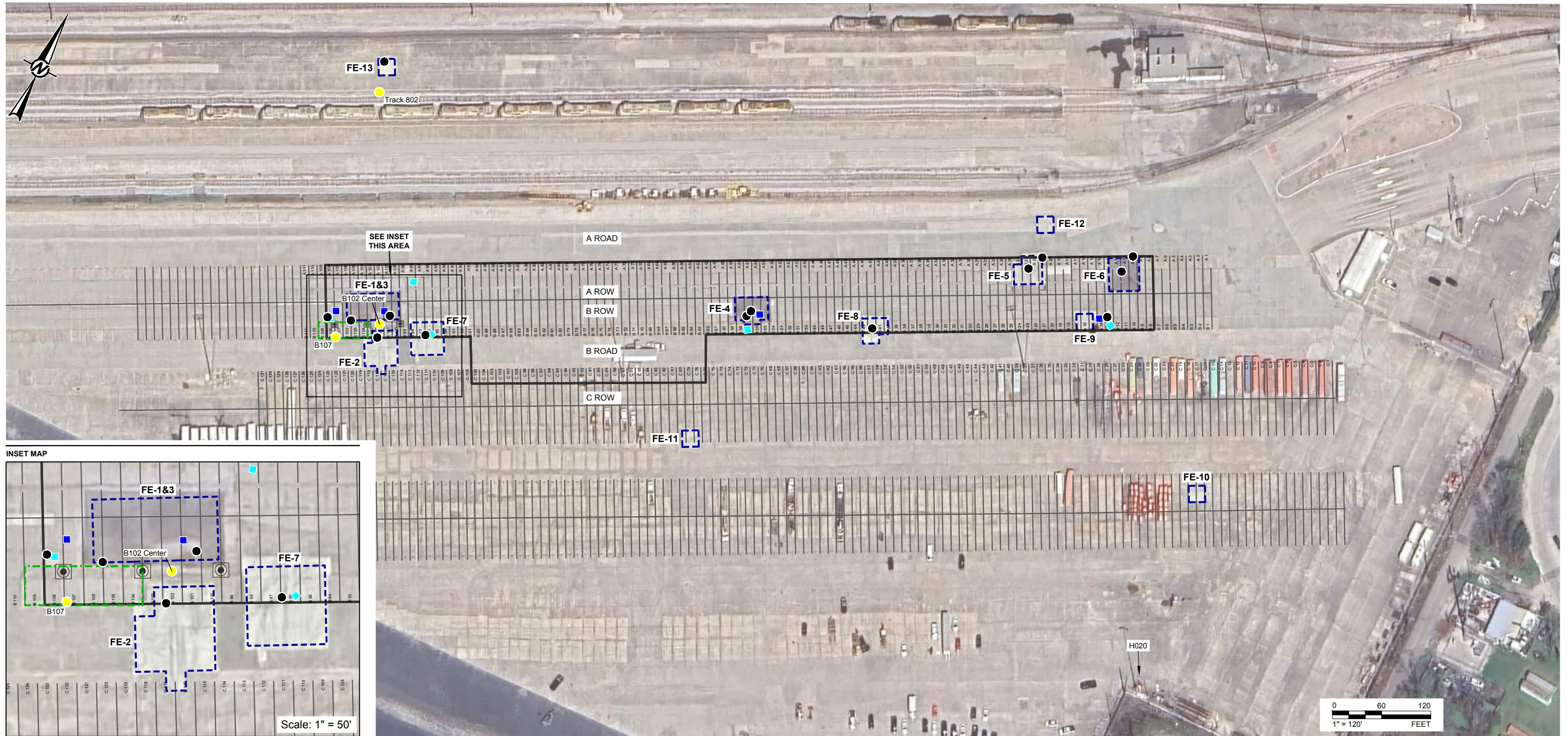
Location	B108 (Asphalt)	B107 (Asphalt)	B105 (Asphalt)	B103 (Asphalt)	B100 (Asphalt)	B102 Center (Asphalt)	B102 (Joint)	B101 (Asphalt)	B096 (Joint)	A022 (Asphalt)	A021 (Joint)	A010 (Joint)	A011 (Asphalt)	B056 (Asphalt)	B057 (Asphalt)	B042 (Joint)	Track 802 (Ballast)	RD-14 (Joint)	B016 (Asphalt)	B013 (Joint)
Date of Last Observation of Active Seep	7/8/2020	11/5/2025	9/13/2025; Removed by FE-1&3	8/11/2021	4/17/2024; Removed by FE-1&3	11/5/2025	5/1/2024; Removed by FE-7	6/21/2023; Removed by FE-1&3	4/17/2024; Removed by FE-7	6/5/2024; Removed by FE-5	7/8/2020; Removed by FE-5	7/8/2020; Removed by FE-6	6/5/2024; Removed by FE-6	5/29/2024; Removed by FE-4	5/22/2024; Removed by FE-4	4/17/2024; Removed by FE-8	11/5/2025	6/12/2024; Removed by FE-13	8/28/2024; Removed by FE-9	8/17/2022
11/5/2025		1				1											1			
11/12/2025*																				
11/19/2025*																				
11/26/2025*																				

Notes

An active NAPL seep is noted with a 1 on the date of inspection and location of seep.
A weekly inspection in which no seeps were observed is noted with an asterisk after the date.
If a seep is in or adjacent to the Sump Collection System, it is highlighted in orange.
If a seep is in the vicinity of the Sump Collection System, it is highlighted in yellow.
If a seep is not in the vicinity of the Sump Collection System, it is highlighted in light blue.

Figure

Path: \\wsp-jshwan\hett\USC\entire\Draw\USDA\4007\Task\AreaSeeps - Round Rock_2019101910232 - HRP\20251010 | File Name: 2 - Englewood Intermodal Capped Area Seeps.dwg | Last Edited By: user071305 Date: 2025-10-13 Time: 2:24:17 PM
 Path: \\wsp-jshwan\hett\USC\entire\Draw\USDA\4007\Task\AreaSeeps - Round Rock_2019101910232 - HRP\20251010 | File Name: 2 - Englewood Intermodal Capped Area Seeps.dwg | Last Edited By: user071305 Date: 2025-10-13 Time: 2:24:17 PM



LEGEND

	EXISTING NAPL COLLECTION SYSTEM (CONSTRUCTED FEB. 2019)
	HISTORICAL LIMIT OF BROWN LIQUID SURFACING
	HISTORICAL NAPL SEEP LOCATION
	2025 ACTIVE NAPL SEEP LOCATION
	EXISTING NAPL COLLECTION SUMP
	TEST PIT LOCATION (2019)
	TEST PIT LOCATION (JULY 2020)
	AS-BUILT EXTENT FOCUSED EXCAVATION AREA

REFERENCE(S)
 BASE MAP TAKEN FROM GOOGLE EARTH, DATED 3/12/25.
 THE DETAILS OF THE "AS-BUILT EXTENT FOCUSED EXCAVATION AREAS" ARE PROVIDED IN THE RACR DATED JULY 17, 2025.

NOTE(S)
 1. WSP IS CURRENTLY EVALUATING THE ORIGIN OF THE TAR-LIKE NAPL MATERIAL OBSERVED AT H020.
 2. THE HISTORICAL NAPL SEEP LOCATIONS WITHIN AS-BUILT EXTENT OF FOCUSED EXCAVATION AREAS HAVE BEEN ADDRESSED.

CLIENT
 UNION PACIFIC RAILROAD CO

PROJECT
 HOUSTON WOOD PRESERVING WORKS
 ENGLEWOOD INTERMODAL YARD

TITLE
 ENGLEWOOD INTERMODAL YARD CAPPED AREA SEEPS

CONSULTANT	WSP	YYYY-MM-DD	2025-10-13
DESIGNED		DESIGNED	AJD
PREPARED		PREPARED	AJD
REVIEWED		REVIEWED	CT
APPROVED		APPROVED	ECM

PROJECT NO. US0039040.4227
 REV. 0
 FIGURE 1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B



ATTACHMENT A

Weekly Inspection Photolog



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 1	Inspection Date: 11/05/2025
-----------------------	---------------------------------------

Description:

FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing east.

Lat: 29.78419
Long: -95.32102



Photo No. 2	Inspection Date: 11/05/2025
-----------------------	---------------------------------------

Description:

FE-2 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest.

Lat: 29.78433
Long: -95.32076





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 3	Inspection Date: 11/05/2025
-----------------------	---------------------------------------

Description:

FE-4 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing northeast.

Lat: 29.78474
Long: -95.31963



Photo No. 4	Inspection Date: 11/05/2025
-----------------------	---------------------------------------

Description:

FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast.

Lat: 29.78539
Long: -95.31879





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad
Site Location: Englewood Intermodal Yard, Houston, Texas
Project No.: US0039040.4227

Photo No.: 5
Inspection Date: 11/05/2025

Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.7856
Long: -95.3183



Photo No.: 6
Inspection Date: 11/05/2025

Description:

FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78441
Long: -95.32062





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad
Site Location: Englewood Intermodal Yard, Houston, Texas
Project No.: US0039040.4227

Photo No.: 7
Inspection Date: 11/05/2025

Description:

FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing east.

Lat: 29.78501
Long: -95.31922

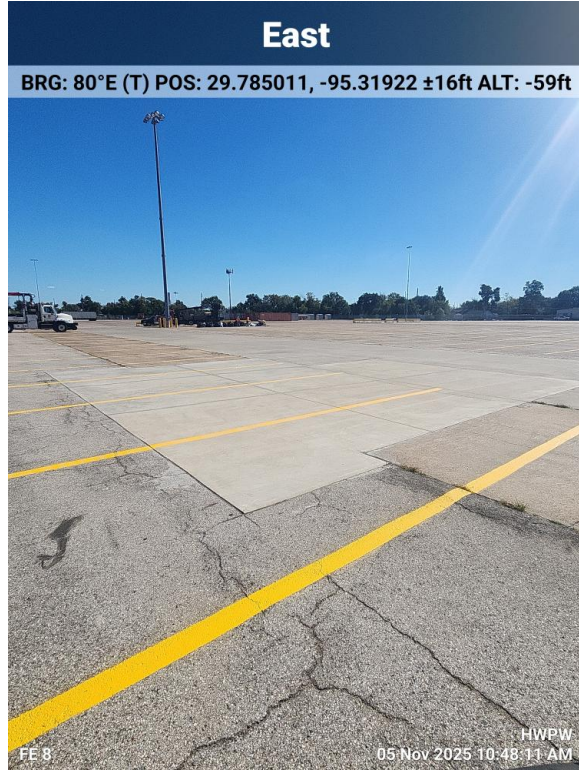


Photo No.: 8
Inspection Date: 11/05/2025

Description:

FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78537
Long: -95.31836





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal
Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
9

Inspection Date:
11/05/2025

Description:

FE-10 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing southeast.

Lat: 29.78502
Long: -95.31775



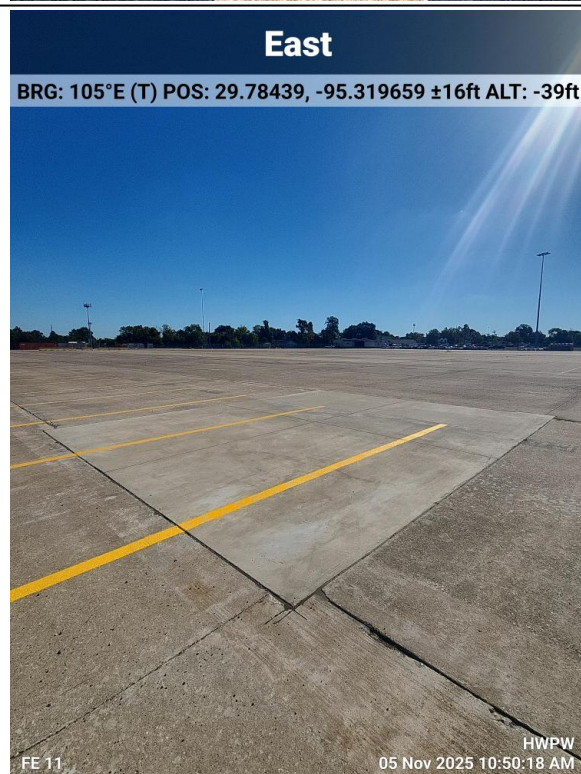
Photo No.
10

Inspection Date:
11/05/2025

Description:

FE-11 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing east.

Lat: 29.78439
Long: -95.31966





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 11	Inspection Date: 11/05/2025
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Description:

FE-12 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast.

Lat: 29.78561
Long: -95.31869

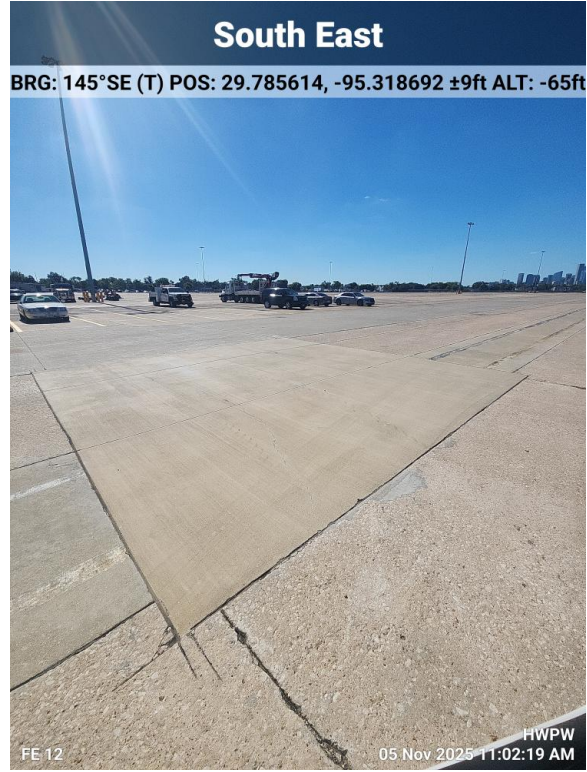
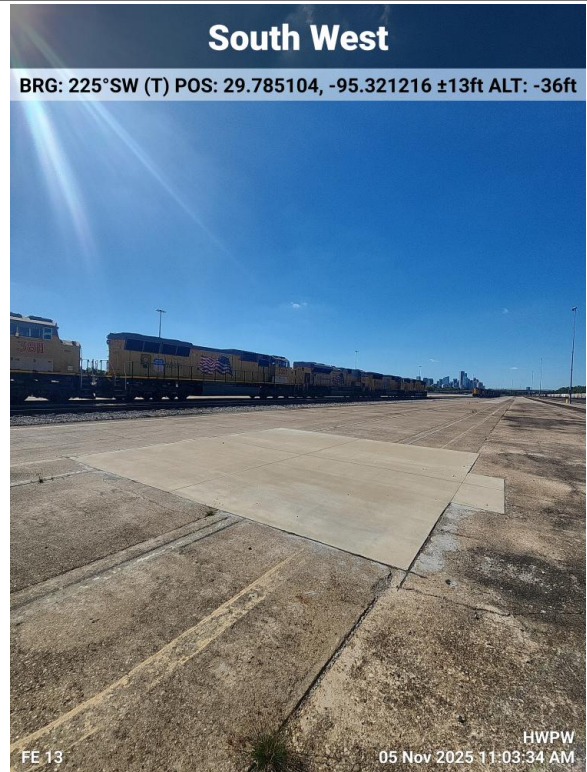


Photo No. 12	Inspection Date: 11/05/2025
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Description:

FE-13 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest.

Lat: 29.7851
Long: -95.32122





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 13	Inspection Date: 11/12/2025
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Description:

FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast.

Lat: 29.78443
Long: -95.32077

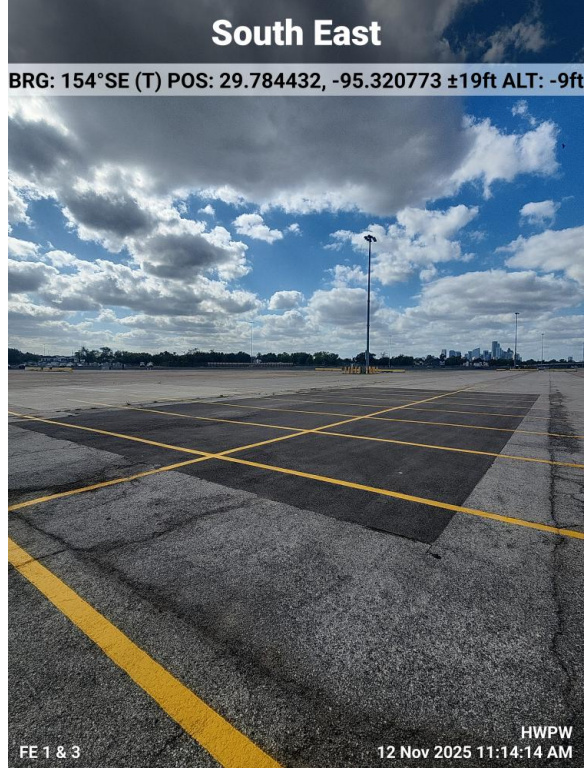
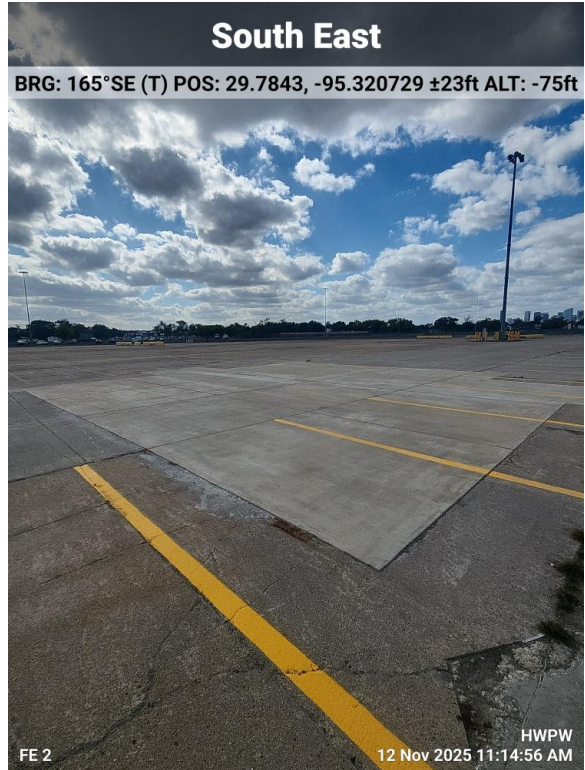


Photo No. 14	Inspection Date: 11/12/2025
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Description:

FE-2 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast.

Lat: 29.7843
Long: -95.32073





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad
Site Location: Englewood Intermodal Yard, Houston, Texas
Project No.: US0039040.4227

Photo No.: 15
Inspection Date: 11/12/2025

Description:

FE-4 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78494
Long: -95.31949

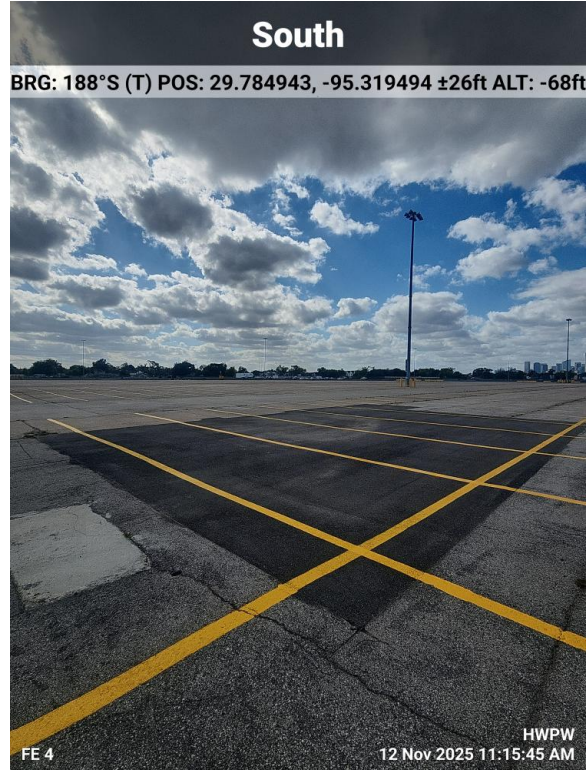
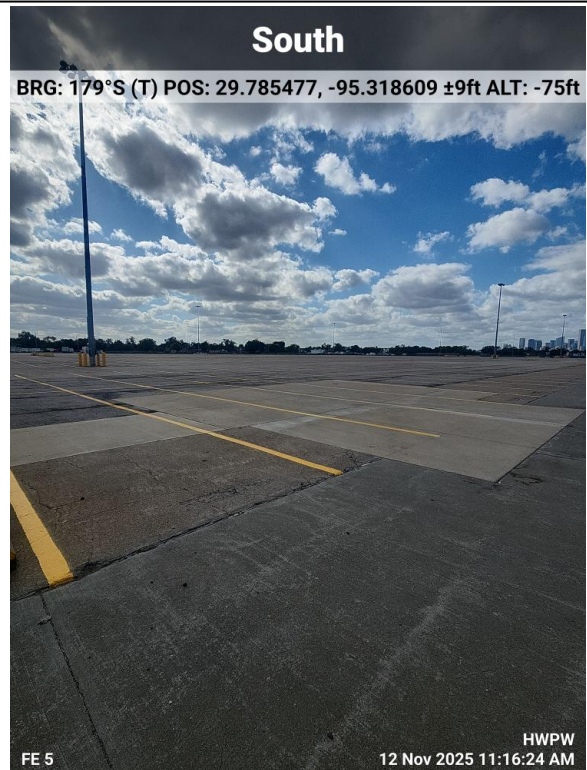


Photo No.: 16
Inspection Date: 11/12/2025

Description:

FE-5 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.


Lat: 29.78548
Long: -95.31861





PHOTOGRAPH LOG


Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 17	Inspection Date: 11/12/2025	<p style="text-align: center;">South</p> <p>BRG: 192°S (T) POS: 29.785594, -95.318271 ±16ft ALT: -88ft</p>  <p style="text-align: right;">HWPW 12 Nov 2025 11:17:17 AM</p> <p>FE 6</p>
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Description:

FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78559
Long: -95.31827

Photo No. 18	Inspection Date: 11/12/2025	<p style="text-align: center;">South</p> <p>BRG: 178°S (T) POS: 29.784406, -95.320572 ±19ft ALT: -78ft</p>  <p style="text-align: right;">HWPW 12 Nov 2025 11:18:13 AM</p> <p>FE 7</p>
------------------------	---------------------------------------	---

Description:

FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78441
Long: -95.32057



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 19	Inspection Date: 11/12/2025
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Description:

FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78505
Long: -95.31906

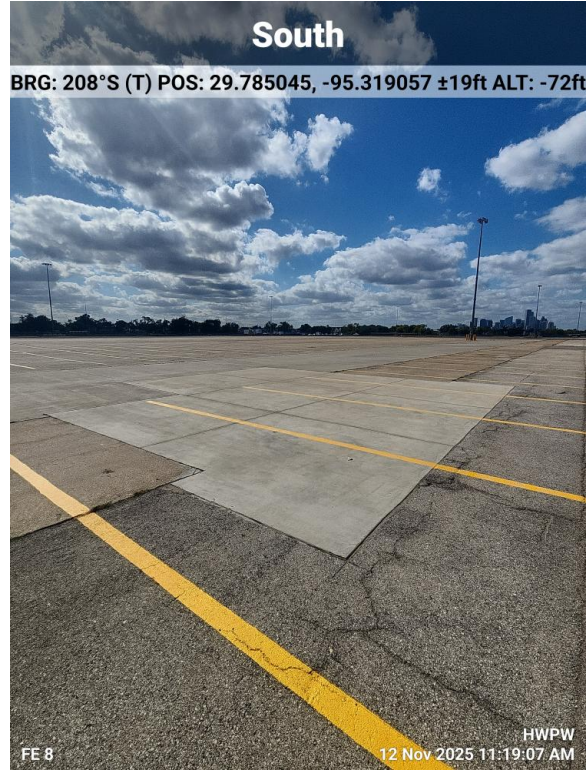


Photo No. 20	Inspection Date: 11/12/2025
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Description:

FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78536
Long: -95.31834





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal
Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
21

Inspection Date:
11/12/2025

Description:

FE-10 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing southeast.

Lat: 29.785

Long: -95.3177

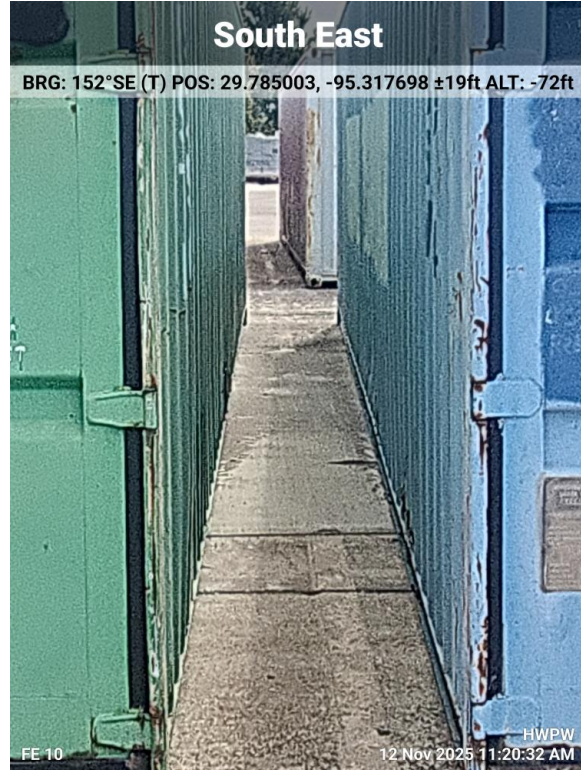


Photo No.
22

Inspection Date:
11/12/2025

Description:

FE-11 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing south.

Lat: 29.78445

Long: -95.31953





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal
Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
23

Inspection Date:
11/12/2025

Description:

FE-12 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing south.

Lat: 29.7856
Long: -95.31866



Photo No.
24

Inspection Date:
11/12/2025

Description:

FE-13 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing south.

Lat: 29.78514
Long: -95.32121





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 25	Inspection Date: 11/19/2025	<p>BRG: 192°S (T) POS: 29.784398, -95.320806 ±19ft ALT: -45ft</p>  <p>FE 1 & 3 HWPW 19 Nov 2025 10:29:45 AM</p>
<p>Description: FE-1&3 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.</p> <p>Lat: 29.7844 Long: -95.32081</p>		

Photo No. 26	Inspection Date: 11/19/2025	<p>BRG: 30°N (T) POS: 29.784069, -95.32084 ±26ft ALT: -32ft</p>  <p>FE 2 HWPW 19 Nov 2025 10:30:22 AM</p>
<p>Description: FE-2 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing north.</p> <p>Lat: 29.78407 Long: -95.32084</p>		



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal
Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
27

Inspection Date:
11/19/2025

Description:

FE-4 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing southwest.

Lat: 29.7849
Long: -95.31952

BRG: 219°SW (T) POS: 29.7849, -95.319521 ±19ft ALT: -26ft

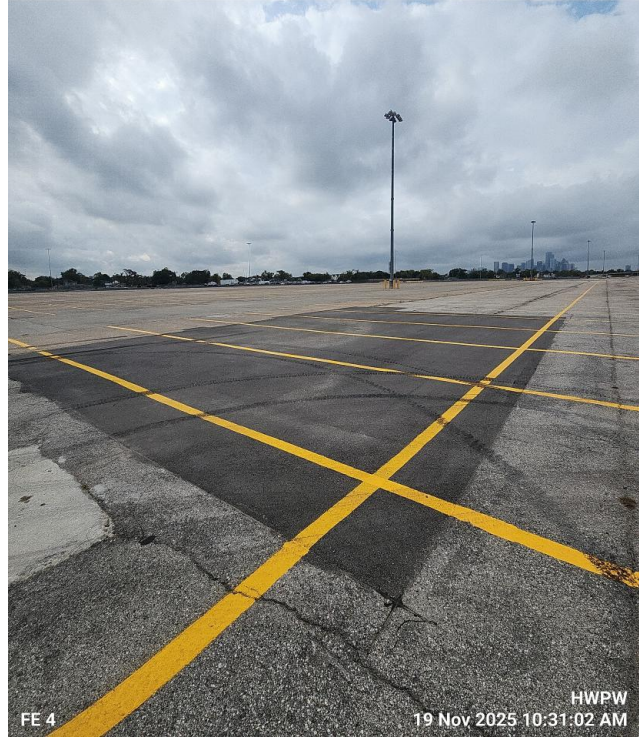


Photo No.
28

Inspection Date:
11/19/2025

Description:

FE-5 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing south.

Lat: 29.78542
Long: -95.31866

BRG: 169°S (T) POS: 29.785424, -95.318661 ±13ft ALT: -32ft





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
29

Inspection Date:
11/19/2025

BRG: 182°S (T) POS: 29.785569, -95.318312 ±9ft ALT: -29ft



Description:

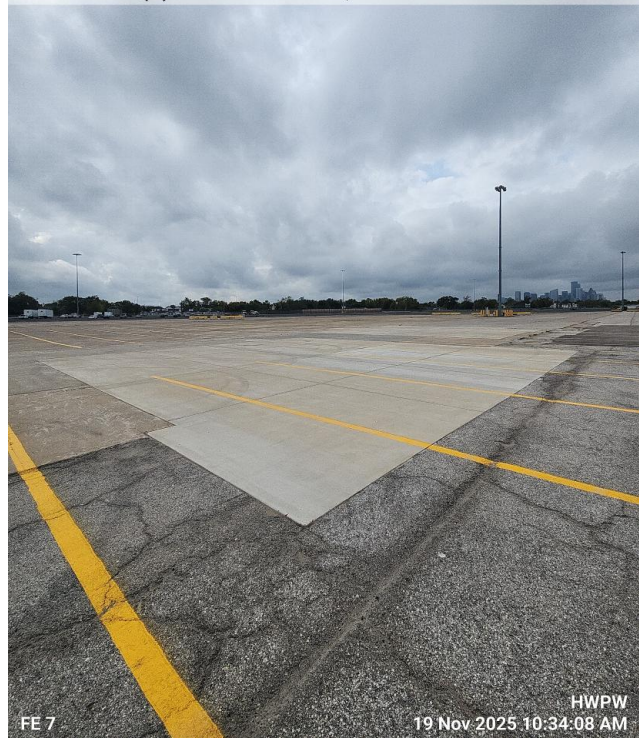
FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78557
Long: -95.31831

Photo No.
30

Inspection Date:
11/19/2025

BRG: 184°S (T) POS: 29.784389, -95.32061 ±19ft ALT: -26ft



Description:

FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78439
Long: -95.32061



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 31	Inspection Date: 11/19/2025	BRG: 180°S (T) POS: 29.785015, -95.319072 ±19ft ALT: -23ft  <p>FE 8</p> <p>HWPW 19 Nov 2025 10:34:49 AM</p>
Description: FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.78502 Long: -95.31907		

Photo No. 32	Inspection Date: 11/19/2025	BRG: 175°S (T) POS: 29.785375, -95.318411 ±13ft ALT: -26ft  <p>FE 9</p> <p>HWPW 19 Nov 2025 10:35:29 AM</p>
Description: FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.78538 Long: -95.31841		



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
33

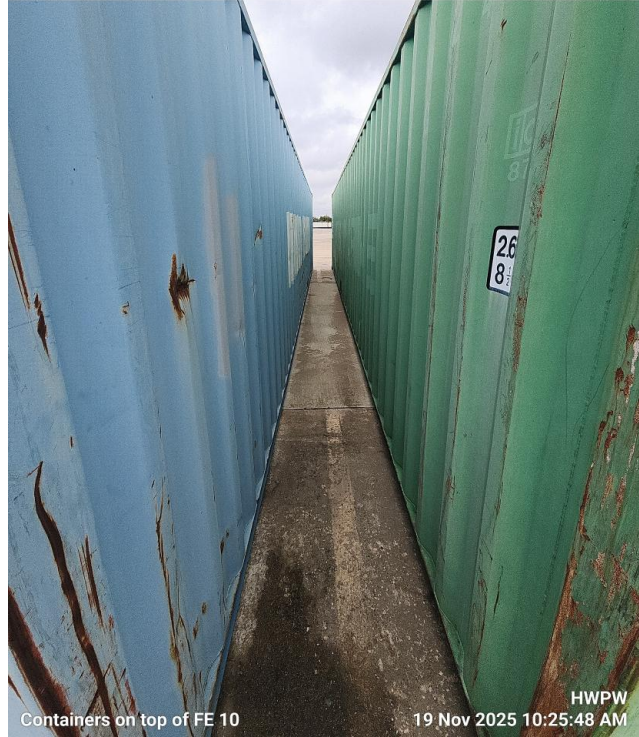
Inspection Date:
11/19/2025

Description:

FE-10 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing northwest.

Lat: 29.78487
Long: -95.31768

BRG: 332°NW (T) POS: 29.784865, -95.317683 ±9ft ALT: 68ft



Containers on top of FE 10

HWPW
19 Nov 2025 10:25:48 AM

Photo No.
34

Inspection Date:
11/19/2025

Description:

FE-11 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78441
Long: -95.31955

BRG: 170°S (T) POS: 29.784408, -95.319549 ±19ft ALT: -29ft



FE 11

HWPW
19 Nov 2025 10:36:55 AM



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal
Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
35

Inspection Date:
11/19/2025

Description:

FE-12 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing southeast.

Lat: 29.78557
Long: -95.31868

BRG: 155°SE (T) POS: 29.78557, -95.318676 ±9ft ALT: -29ft



FE 12

HWPW
19 Nov 2025 10:37:47 AM

Photo No.
36

Inspection Date:
11/19/2025

Description:

FE-13 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing southeast.

Lat: 29.78508
Long: -95.32123

BRG: 151°SE (T) POS: 29.785076, -95.321227 ±9ft ALT: -26ft



FE 13

HWPW
19 Nov 2025 10:38:55 AM



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
37

Inspection Date:
11/26/2025

Description:

FE-1&3 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78441
Long: -95.32079

BRG: 180°S (T) POS: 29.784408, -95.32079 ±9ft ALT: -75ft

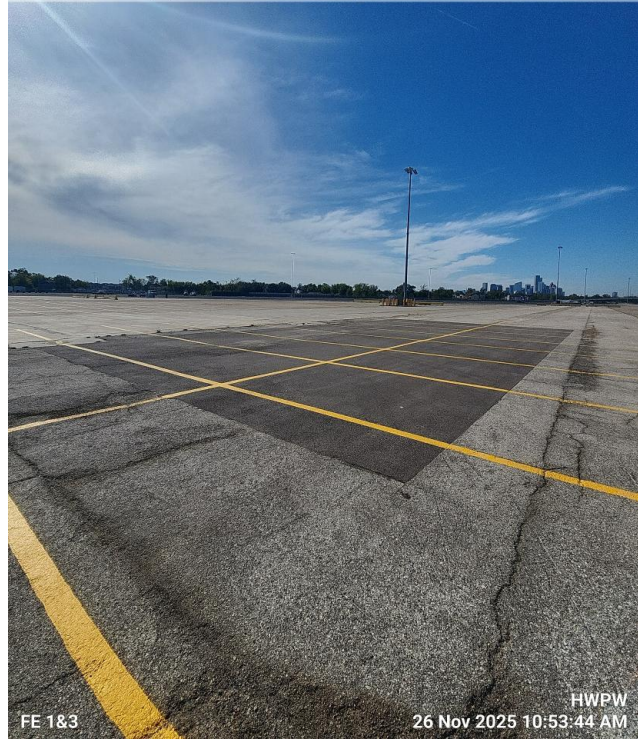


Photo No.
38

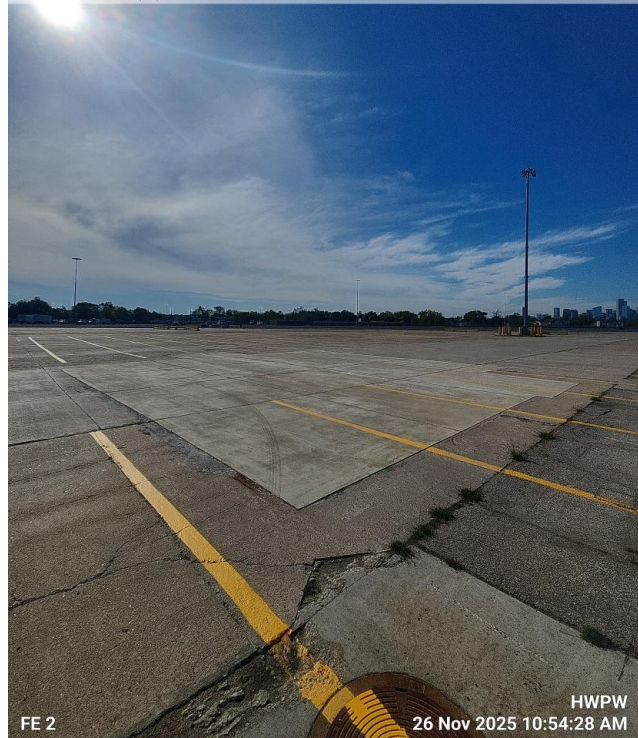
Inspection Date:
11/26/2025

Description:

FE-2 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78431
Long: -95.32076

BRG: 173°S (T) POS: 29.784307, -95.320755 ±29ft ALT: -78ft





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
39

Inspection Date:
11/26/2025

Description:

FE-4 weekly inspection of asphalt cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing southeast.

Lat: 29.78493
Long: -95.31951

BRG: 144°SE (T) POS: 29.784926, -95.319507 ±19ft ALT: -141ft

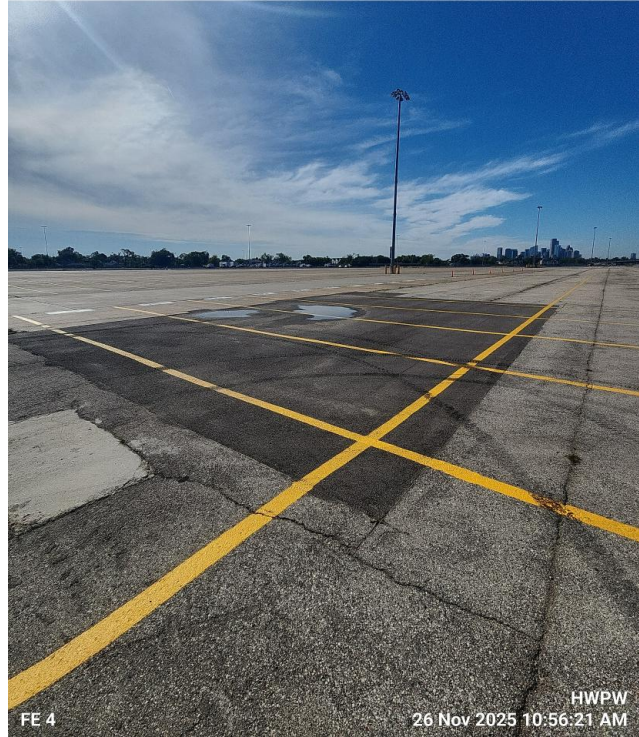


Photo No.
40

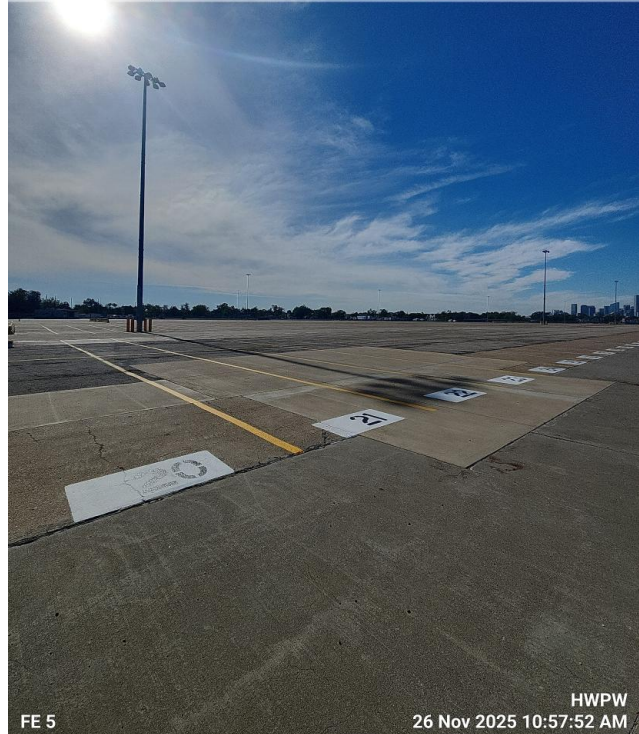
Inspection Date:
11/26/2025

Description:

FE-5 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest.

Lat: 29.78545
Long: -95.31868

BRG: 232°SW (T) POS: 29.785449, -95.318676 ±13ft ALT: -164ft





PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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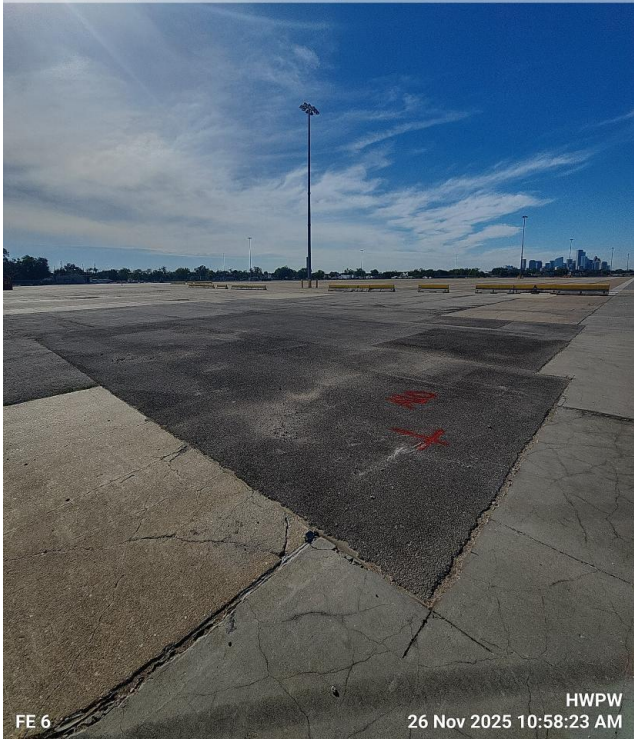
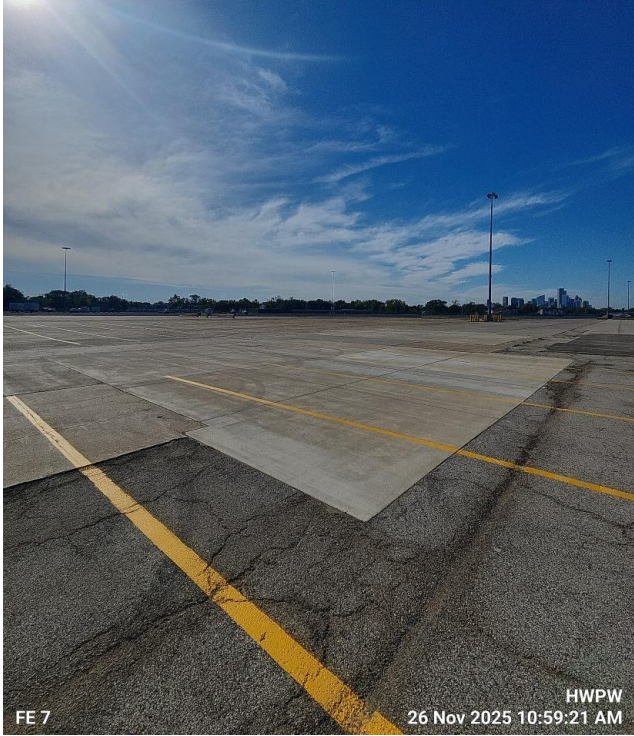

Photo No. 41	Inspection Date: 11/26/2025	BRG: 194°S (T) POS: 29.785603, -95.318305 ±26ft ALT: -72ft  <p>FE 6</p> <p>HWPW 26 Nov 2025 10:58:23 AM</p>
Description: FE-6 weekly inspection of asphalt cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.7856 Long: -95.31831		

Photo No. 42	Inspection Date: 11/26/2025	BRG: 198°S (T) POS: 29.784389, -95.320596 ±19ft ALT: -42ft  <p>FE 7</p> <p>HWPW 26 Nov 2025 10:59:21 AM</p>
Description: FE-7 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south. Lat: 29.78439 Long: -95.3206		



PHOTOGRAPH LOG


Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 43	Inspection Date: 11/26/2025	BRG: 216°SW (T) POS: 29.785034, -95.319079 ±16ft ALT: -42ft  <p>FE 8</p> <p>HWPW 26 Nov 2025 11:00:07 AM</p>
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Description:

FE-8 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing southwest.

Lat: 29.78503
Long: -95.31908

Photo No. 44	Inspection Date: 11/26/2025	BRG: 212°S (T) POS: 29.785356, -95.31836 ±19ft ALT: -42ft  <p>FE 9</p> <p>HWPW 26 Nov 2025 11:00:42 AM</p>
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Description:

FE-9 weekly inspection of concrete cap. Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78536
Long: -95.31836



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal
Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
45

Inspection Date:
11/26/2025

Description:

FE-10 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing southeast.

Lat: 29.78501
Long: -95.31773

BRG: 164°SE (T) POS: 29.785007, -95.31773 ±29ft ALT: -52ft



Photo No.
46

Inspection Date:
11/26/2025

Description:

FE-11 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL
observed at FE location. Facing south.

Lat: 29.78442
Long: -95.31957

BRG: 179°S (T) POS: 29.784416, -95.319566 ±29ft ALT: -68ft





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
47

Inspection Date:
11/26/2025

Description:

FE-12 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78558
Long: -95.31868

BRG: 188°S (T) POS: 29.785575, -95.318682 ±9ft ALT: -75ft



Photo No.
48

Inspection Date:
11/26/2025

Description:

FE-13 weekly inspection of concrete cap.
Reconstructed cap in good condition. No NAPL observed at FE location. Facing south.

Lat: 29.78509
Long: -95.32124

BRG: 172°S (T) POS: 29.785094, -95.321239 ±13ft ALT: -75ft





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
49

Inspection Date:
11/05/2025

Description:

Sump 1 (B99/B100), 5.0 inches of freeboard in sump. Color is clear with a brown tint, and a sheen was observed. No odor was reported.

Lat: 29.7843
Long: -95.32078



Photo No.
50

Inspection Date:
11/05/2025

Description:

Sump 1 (B99/B100), NAPL accumulated on plastic inflow protector installed on October 1.

Lat: 29.7843
Long: -95.32077





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
51

Inspection Date:
11/05/2025

Description:

Sump 2 (B103/B104), 29.0 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78424
Long: -95.3209



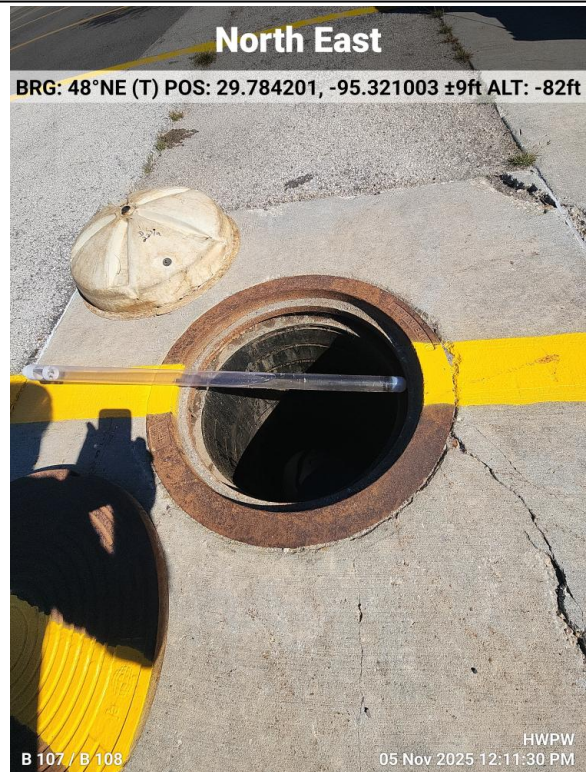
Photo No.
52

Inspection Date:
11/05/2025

Description:

Sump 3 (B107/B108), 28.5 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.7842
Long: -95.321





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal
Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
53

Inspection Date:
11/12/2025

Description:

Sump 1 (B99/B100), 8.0 inches of freeboard in sump. Color is clear with a brown tint, and a sheen was observed. No odor was reported.

Lat: 29.78431
Long: -95.32077



Photo No.
54

Inspection Date:
11/12/2025

Description:

Sump 2 (B103/B104), 29.5 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78426
Long: -95.32086





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
55

Inspection Date:
11/12/2025

Description:

Sump 3 (B107/B108), 29.0 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78422
Long: -95.32097



Photo No.
56

Inspection Date:
11/19/2025

Description:

Sump 1 (B99/B100), 7.0 inches of freeboard in sump. Color is clear with a brown tint, and a sheen was observed. No odor was reported.

Lat: 29.78427
Long: -95.32078





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
57

Inspection Date:
11/19/2025

BRG: 338°NW (T) POS: 29.784224, -95.320893 ±9ft ALT: -39ft

Description:
Sump 2 (B103/B104), 30.5 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78422
Long: -95.32089



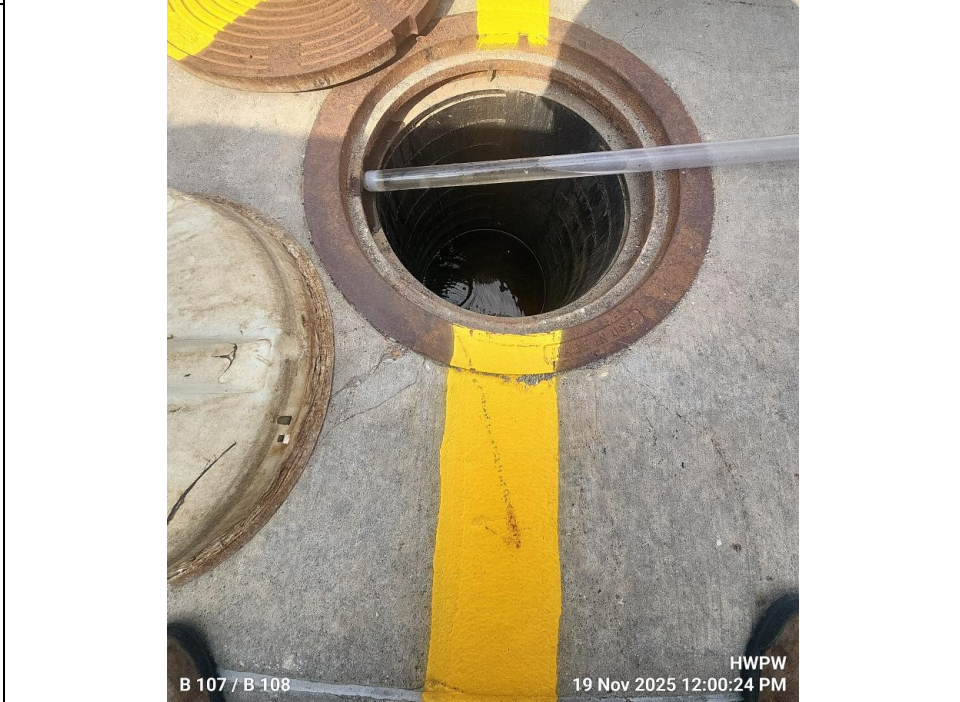
Photo No.
58

Inspection Date:
11/19/2025

BRG: 9°N (T) POS: 29.784168, -95.321006 ±9ft ALT: -62ft

Description:
Sump 3 (B107/B108), 30.0 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78417
Long: -95.32101





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
59

Inspection Date:
11/26/2025

Description:

Sump 1 (B99/B100), 2.0 inches of freeboard in sump. Color is clear with a brown tint, and a sheen was observed. No odor was reported.

Lat: 29.78427
Long: -95.32077



Photo No.
60

Inspection Date:
11/26/2025

Description:

Sump 2 (B103/B104), 32.0 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78422
Long: -95.32088





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
61

Inspection Date:
11/26/2025

BRG: 345°NW (T) POS: 29.78418, -95.320979 ±9ft ALT: -26ft



Description:

Sump 3 (B107/B108), 31.5 inches of freeboard in sump. Color is clear, and no sheen or odor was reported.

Lat: 29.78418
Long: -95.32098

Photo No.
62

Inspection Date:
11/05/2025



Description:

B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 2 cubic inches of NAPL observed at seep location.

Lat: 29.78415
Long: -95.32096



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
63

Inspection Date:
11/05/2025

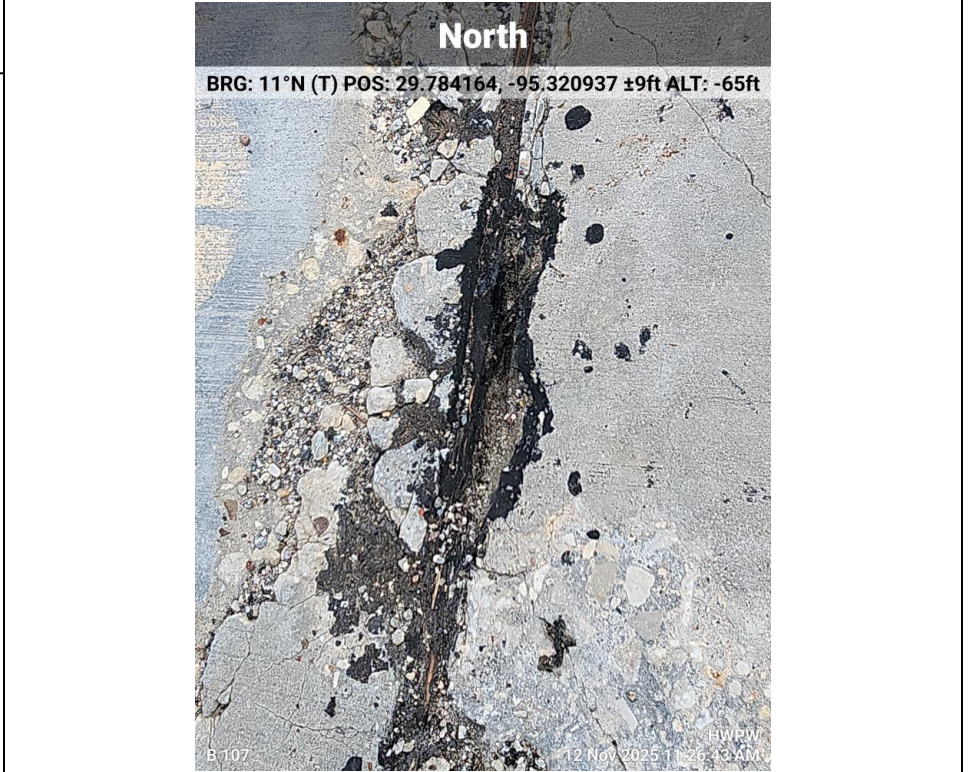


Description:
B107 weekly inspection of joint. Surrounding concrete in good condition. Approximately 2 cubic inches of NAPL observed at seep location.

Lat: 29.78415
Long: -95.32096

Photo No.
64

Inspection Date:
11/12/2025



Description:
B107 weekly inspection of joint. Surrounding concrete in good condition. No NAPL observed along joint.

Lat: 29.78416
Long: -95.32094



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad	Site Location: Englewood Intermodal Yard, Houston, Texas	Project No. US0039040.4227
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Photo No. 65	Inspection Date: 11/19/2025	BRG: 335°NW (T) POS: 29.784143, -95.320953 ±26ft ALT: -32ft
Description: B107 weekly inspection of joint. Surrounding concrete in good condition. No NAPL observed along joint. Lat: 29.78414 Long: -95.32095		 <p>B 107</p> <p>HWPW 19 Nov 2025 10:42:17 AM</p>

Photo No. 66	Inspection Date: 11/26/2025	BRG: 86°E (T) POS: 29.784144, -95.320967 ±13ft ALT: -26ft
Description: B107 weekly inspection of joint. Surrounding concrete in good condition. No NAPL observed along joint. Lat: 29.78414 Long: -95.32097		 <p>B 107</p> <p>HWPW 26 Nov 2025 10:01:54 AM</p>



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
67

Inspection Date:
11/05/2025



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 5 cubic inches of NAPL observed at seep location.

Lat: 29.78495
Long: -95.32122

Photo No.
68

Inspection Date:
11/05/2025



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. Approximately 5 cubic inches of NAPL observed at seep location.

Lat: 29.78495
Long: -95.3212



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
69

Inspection Date:
11/12/2025



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed along joint.

Lat: 29.78499
Long: -95.32118

Photo No.
70

Inspection Date:
11/19/2025



Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed along joint.

Lat: 29.78491
Long: -95.3212



PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
71

Inspection Date:
11/26/2025

Description:

Track 802 weekly inspection of track. Surrounding concrete and ballast in good condition. No NAPL observed along joint.

Lat: 29.78492
Long: -95.32121



Photo No.
72

Inspection Date:
11/05/2025

Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 2 cubic inches of NAPL observed at seep location.

Lat: 29.78426
Long: -95.32085





PHOTOGRAPH LOG

Client Name:
Union Pacific Railroad

Site Location:
Englewood Intermodal Yard, Houston, Texas

Project No.
US0039040.4227

Photo No.
73

Inspection Date:
11/05/2025



Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. Approximately 2 cubic inches of NAPL observed at seep location.

Lat: 29.78425
Long: -95.32084

Photo No.
74

Inspection Date:
11/12/2025



Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. No NAPL observed along joint.

Lat: 29.78428
Long: -95.32084



PHOTOGRAPH LOG

Client Name: Union Pacific Railroad
Site Location: Englewood Intermodal Yard, Houston, Texas
Project No. US0039040.4227

Photo No. 75
Inspection Date: 11/19/2025

Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. No NAPL observed along joint.

Lat: 29.78422
Long: -95.32085



Photo No. 76
Inspection Date: 11/26/2025

Description:

B102 Center weekly inspection of previously identified seep. Surrounding asphalt in good condition. No NAPL observed along joint.

Lat: 29.78426
Long: -95.32085

